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Spores are shown in Fig. (Sp.). It was found that the spores readily germinated in water and still more freely in a decoction made from Lactuca stems, the germ tube appearing within 24 hours. A few germinated spores are shown in the Fig. at *g*.

The diagnosis of the species may be given as follows:

NÆMOSPHÆRA LACTUCICOLA Kellerm. n. sp. — Pycnidia beaked, clustered but distinct, occupying large areas, deeply seated, at maturity barely perforating the epidermis, black, brittle, globular to pyriform, 150-250μ in diameter, ending in a rather broad beak of varying length but usually about one-half that of the pycnidium; spores brown with an olivaceous tint, broadly oval or oblong, not septate, 18-24 x 7-12μ.

On old stems of Lactuca virosa, Columbus, Ohio. April 15, 1904. (Kellerman, 4208.)

MINOR MYCOLOGICAL NOTES. IV.

W. A. KELLERMAN.

UNCINULA PARVULA. — When examining herbarium specimens of various species of Uncinula recently, it was found that my copy of *"No. 149, Uncinula polychaetae B. & C., A. B. Seymour & F. S. Earle, on Celtis occidentalis, Starkville, Miss."* contained both Uncinula polychaeta and Uncinula parvula. These were mostly on separate leaves but in one case both species grew intermixed on the same leaf. Of S. M. Tracy's *"Plants of the Gulf States, No. 8273, Uncinula polychaeta B. & C., on Celtis occidentalis, Weatherford, Texas, Oct. 20, 1902,"* the copy belonging to the Carnegie Museum, Pittsburg, [Acc. No. 2263] is not as named, but exclusively Uncinula parvula Cke. & Peck.

MYCOLOGICAL FLORA OF CEDAR POINT. — This locality is a sand spit opposite Sandusky Bay, on the Southern shore of Lake Erie. Its length is about six or seven miles, mostly only 500 to 2,000 feet in width except the upper (outermost) portion which for the distance of nearly a mile is from 3,000 to 4,000 feet across. In this widened apex are a couple of swales and most of the season ponds remain of considerable area. The sandy soil supports no sod generally, but a herbaceous flora of perhaps 300 species grows with some luxuriance. The bog and aquatic plants are abundant on the Bay side of the spit where the outline is very irregular, one or two of the recesses or bayous occupying considerable area. The trees are rather abundant throughout — the Cottonwood, Willows and Oaks (especially the black, and shingle Oaks) are abundant and many other species occur in lesser quantity. The mycologic flora is more abundant than would be expected perhaps. The following species have been collected.

Albugo candidus (Pers.) Ktze. on Bursa bursa-pastoris and Lepidium virginicum.
Bacillus amylivorus (Burr.) De Toni on Cydonia vulgaris (cult.).
Cercospora clavata (Ger.) Peck on Asclepias syriaca.
Cercospora helianthi C. & E. on Helianthus hirsutus.
Cercospora menispermi Ell. & Holw. on Menispermum canadense.
Cercospora murina E. & K. on Viola obliqua.
Cercospora tuberosa Ell. & Kell. on Apios tuberosa.
Claviceps purpurea (Fr.) Tul. on Ammophila arenaria.
Coleosporium campanulæ (Pers.) Lev. on Campanula americana.
Collybia dryophila Bull. on rotten wood.
Collybia platyphylla Fr. on rotten wood.
Entyloma menispermi Farl. & Treal. on Menispermum canadense.
Erysiphe cichoriacearum DC. on Parietaria pennsylvanica.
Erysiphe polygoni DC. on Onagra biennis.
Gloeosporium nervisequum (Fuckl.) Sacc. on Platanus occidentalis.
Gymnosporangium sp.—Roestelia sp.? on Amelanchier canadensis.
Helotium citrinum (Hedw.) Fr. on rotten wood.
Lachnella chlorascens (Schw) Morg. on rotten wood.
Lentinus sulcatus Berk. on old wood.
Marssonia toxicodendri (E. & M.) Sacc. on Rhus toxicodendron.
Microsphaera alni (Wallr.) Salmon on Euonymus atropurpurea, Gleditsia triacanthos, and Apios tuberosa.
Morchella esculenta (L.) Pers. on ground.
Peronospora parasitica (Pers.) DeBy. on Lepidium virginicum.
Phoma uvicola B. et C. on Vitis vulpina.
Phyllachora graminis (Pers.) Fckl. on Hystrix hystrix.
Phyllosticta iridis E. & E. on Iris versicolor.
Phyllosticta labruscæ Thüm. on Vitis vulpina.
Phyllosticta palustris Ell. & Dearness on Stachys palustris.
Phyllosticta phaseolina Sacc. on Strophostyles helvolus (L.) Britt.
Plasmopara australis (Speg.) Humph. on Sicyos angulatus.
Plasmopara viticola (B. & Curt.) Berl. & DeT. on Vitis vulpina.
Pleurotus sapidus Kalchb. on Willow log.
Plowrightia morbosa (Schw.) Sacc. on Prunus virginiana.
Podosphæra oxyacanthæ (DC.) DeBy. on Prunus virginiana.
Polyporus arcularius (Batch.) Fr. on rotten sticks.
Polyporus brumalis (Pers.) Fr. on old sticks.
Polyporus gilvus Schw. on rotten wood.
Polyporus versicolor L. on old stumps.
Polystictus cinnabarina (Jacq.) Fr. on old log.
Puccinia caricina DC. on Carex laxiflora.
Puccinia glechomatis DC. on Agastache nepetoides.
Puccinia menthæ Pers. on Mentha canadensis, Monarda fistulosa.
Puccinia osmorrhizæ C. et P. on Washingtonia longistylis.
Puccinia panici Dietel on Panicum virgatum.
Puccinia seymouriæ Burr. on Afzelia macrophylla.
Puccinia taraxaci Plow. on Taraxacum.
Puccinia xanthii Schw. on Xanthium.
Pucciniastrum agrimoniæ (DC.) Diet. on Agrimonia hirsuta.
Ramularia celastri Ell. & Martin on Celastrus scandens.
Ramularia variabilis Fckl. on Verbascum thapsus.
Rhizobium mutabile, in root Tubercles of several leguminous plants.
Schizophyllum alnea (L.) Schroet. on old wood.
Sepedonium chrysospermum (Bull.) Fr. on rotten wood.
Septoria oenotheræ (Lasch.) West. on Onagra biennis.
Septoria scrophulariæ Pk. on Scrophularia marylandica.
Septoria verbascicola B. & C. on Verbascum blattaria.
Sphaerotheca phytoptophila K. & Sw. on Celtis occidentalis.
Stereum candidum Schw. on bark Juniperus virginiana.

Stereum disciforme DC. on old wood.
Stereum versicolor (Schw.) Fr. on rotten wood.
Tremella mesenterica Retz on rotten wood.
Uromyces medicaginis-falcata (DC.) Wint. on Medicago lupulina.
Xylaria digitata (L.) Grev. on Ash log.
Xylaria polymorpha (Pers.) Grev. on rotten wood.

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W. A. KELLERMAN.

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ABIES balsamea, resinous spots on bark, host to Stilbum resinaria Peck n.sp. N. Y. State Mus. Bull. 67-30. 1903.

ACCENTUATION of Mycological Compound Names. Ivy Kellerman. Jour. Mycol. 9:162-4. Oct. 1903.

ACER SACCHARINUM, dead limbs, host to Calospora allantospora E. & E. n.sp. Jour. Mycol. 9:223. Dec. 1903.

ACTÆA rubra, dead stems, host to Melanopsamma utahensis E. & E. n.sp. Jour. Mycol. 9:168. Oct. 1903.

ACTINOMERIS squarrosa, host to Puccinia actinomeridis Magn. n.sp. Ber. Deutsche Bot. Gesel. 19:294. 1901.

AECIDIUM caulocolum Kellerm. n.n. [Alternate form of Puccinia caulicola Tr. & Gall. on Salvia lanceolata.] Jour. Mycol. 9:227. Dec. 1903.

AECIDIUM cirsii-lanceolati Kellerm. n.n. [Alternate form of Puccinia cirsii-lanceolati Schroet. on Carduus lanceolatus L.] Jour. Mycol. 9:229. Dec. 1903.

AECIDIUM hydnoideum B. & C., *syn. of Puccinia hydnoidea q.v.*

AECIDIUM lateripes Kellerm. n.n. [Alternate form of Puccinia lateripes B. & R. on Ruellia strepens.] Jour. Mycol. 9:234. Dec. 1903.

AECIDIUM leucospermum B. & C. [Alternate form of Uromyces lespedezae-procumbentis (Schw.) Curt. Cultures by Arthur.] Jour. Mycol. 10:14. Jan. 1904.

AECIDIUM pustulatum Curt., *syn. of Puccinia pustulata q.v.*

AECIDIUM leucospermum B. & C. *syn. of Uromyces lespedezae-procumbentis q.v.*

AECIDIUM pustulatum Curt., *syn. of Puccinia pustulata q.v.*

AECIDIUM ranunculi Schw., *syn. of Puccinia eatoniae q.v.*

AESCULUS glabra, bark, host to Berlesiella hispida Morgan n.sp. Jour. Mycol. 9:217. Dec. 1903.